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(54) Ion water purifier

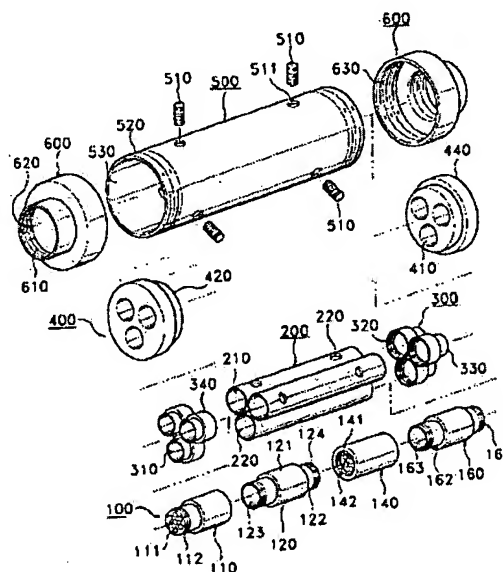
(57) Abstract

PURPOSE

An ion water purifier is provided to change the characteristics of water to activated ion water by resolving it in a pipe under the influence of electrostatic field.

CONSTITUTION

An ion water purifier comprising: first carbon pipe (110) having a bolt section (112), a nut section (113), and water passages (111); first aluminum pipe (120) having first connecting pipe (122) with bolt sections (124) on each end and a water passage (123) in it, and having first aluminum body (121) surrounding the first connecting pipe (122); second carbon pipe (140) having nut sections (142) on each end, and water passages (141); second aluminum pipe (160) having second connecting pipe (162) with bolt sections (164) on each end and a water passage (163) in it, and having second aluminum body (161) surrounding the second connecting pipe (162); three electrostatic generating pipes (100) having the first carbon pipe (110), the first aluminum pipe (120), the second carbon pipe (140), and the second aluminum pipe (160) in the order; three dielectric insulating pipes (200) having an inserting hole (210) for one electrostatic generating pipe (100), and holes (220) for binding bolts (510); first finish section (300) blocking each end of the inserting hole (210), and having water passage (310), supporting section (330) around the



surface of one end, and a nut section (320) inside of the other end; a housing (500) having a hollow (530) with three dielectric insulating pipes (200) conjugated with the first finish section (300) in it, bolt sections (520) on each end, and corresponding holes (511) to the holes (220); second finish section (400) blocking each end of the hollow (530), and having three holes (410) arrayed concentrically for the supporting section (330); joint coupling (600) having a water passage (620) in it, a nut section (630) inside one end connected with the housing (500), a nut section (610) inside the other end connected with external pipe.

#### Legal Status

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